

CTIP STUDY PROBLEM STATEMENT

Request for Funding

FY 2001

FHWA Strategic Goal Area: Safety

Project Title: Crash Test Removable Guardrail Design

Background: In many alpine regions of National Parks, the winter season is harsh on roadside appurtenances, causing extensive damage to many features like signs and guardrails. Avalanches often cause the most significant damage during the road closed season. In an effort to reduce maintenance costs for restoring guardrail, a removable rail has been designed to facilitate dismantling, removing, and storing during the winter season of road closure, then reinstalling the rail for the spring road opening.

Objectives: A safety evaluation needs to be completed to assure the design meets the current standards. Crash test and document the removable guardrail design according to NCHRP 350.

Status: Guardrail designs are currently crash tested to verify they meet the current standards. Ongoing evaluations are underway to which this crash test could be appended.

Expected Products and Milestones by Fiscal Year: Upon satisfactory crash test results, the design will be included in the standard drawings for FLH projects and made available to others.

Duration: 6 months

Estimated Cost by Fiscal Year: \$84,000

Suggested Organization Method: Include a task for the TTI contract to include the removable guardrail in the crash tests.

Submitted:

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Date: April 1, 2001

Champion:

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Funding Source: (Check one.)

- 9 Agency Fund
- General Fund